pH 16 1653

1600

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/648,816B

DATE: 03/27/2002
TIME: 13:45:12

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Output Set: N:\CRF3\03272002\I648816B.raw


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 4 <110> APPLICANT: Yeaman, Michael R.
 5       Shen, Alexander J.
 7 <120> TITLE OF INVENTION: ANTIMICROBIAL PEPTIDES AND DERIVED
 8       METAPEPTIDES
10 <130> FILE REFERENCE: 660081.415C1
12 <140> CURRENT APPLICATION NUMBER: US 09/648,816B
13 <141> CURRENT FILING DATE: 2000-08-25
15 <150> PRIOR APPLICATION NUMBER: US 09/622,561
16 <151> PRIOR FILING DATE: 2000-08-18
18 <160> NUMBER OF SEQ ID NOS: 111
20 <170> SOFTWARE: FastSEQ for Windows Version 4.0
22 <210> SEQ ID NO: 1
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24 <212> TYPE: PRT
25 <213> ORGANISM: Oryctolagus cuniculus
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30 Lys Thr Thr Ser Leu Val Arg Pro Arg His Ile Thr Asn Leu Glu Leu
31             20                  25                  30
32 Ile Lys Ala Gly Gly His Cys Pro Thr Ala Asn Leu Ile Ala Thr Lys
33         35                  40                  45
34 Lys Asn Gly Arg Lys Leu Cys Leu Asp Leu Gln Ala Ala Leu Tyr Lys
35     50                  55                  60
36 Lys Lys Ile Ile Lys Lys Leu Leu Glu Ser
37 65                  70
40 <210> SEQ ID NO: 2
41 <211> LENGTH: 74
42 <212> TYPE: PRT
43 <213> ORGANISM: Oryctolagus cuniculus
45 <400> SEQUENCE: 2
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47  1               5                  10                  15
48 Lys Thr Thr Ser Leu Val Arg Pro Gly His Ile Thr Asn Leu Glu Leu
49             20                  25                  30
50 Ile Lys Ala Gly Gly His Cys Pro Thr Ala Asn Leu Ile Ala Thr Lys
51         35                  40                  45
52 Lys Asn Gly Arg Lys Leu Cys Leu Asp Leu Gln Ala Ala Leu Tyr Lys
53     50                  55                  60
54 Lys Lys Ile Ile Lys Lys Leu Leu Glu Ser
55 65                  70
58 <210> SEQ ID NO: 3
59 <211> LENGTH: 18
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<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Antimicrobiocidal peptide designed in part upon microbiocidal domains from platelet microbial proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.
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Leu Gly
<210> SEQ ID NO: 4
<211> LENGTH: 13
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
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Ala Arg Tyr Lys Lys Phe Lys Lys Lys Leu Leu Lys Ser
1 5 10
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<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
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Lys Leu Tyr Arg Lys Phe Lys Asn Lys Leu Leu Lys Leu Lys
1 5 10
<210> SEQ ID NO: 6
<211> LENGTH: 13
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
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<211> LENGTH: 13
<212> TYPE: PRT
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<223> OTHER INFORMATION: Antimicrobiocidal peptide designed in part upon

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127       microbiocidal domains from platelet microbial
128       proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.
130 <400> SEQUENCE: 7
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136 <211> LENGTH: 14
137 <212> TYPE: PRT
138 <213> ORGANISM: Artificial Sequence
140 <220> FEATURE:
141 <223> OTHER INFORMATION: Antimicrobiocidal peptide designed in part upon
142       microbiocidal domains from platelet microbial
143       proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.
145 <400> SEQUENCE: 8
146 Lys Leu Tyr Lys Lys Trp Lys Lys Lys Leu Leu Lys Leu Lys
147  1               5                  10
150 <210> SEQ ID NO: 9
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152 <212> TYPE: PRT
153 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
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157       microbiocidal domains from platelet microbial
158       proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.
160 <400> SEQUENCE: 9
161 Ala Leu Tyr Lys Lys Trp Lys Asn Lys Leu Leu Lys Ser
162  1               5                  10
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166 <211> LENGTH: 18
167 <212> TYPE: PRT
168 <213> ORGANISM: Artificial Sequence
170 <220> FEATURE:
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172       microbiocidal domains from platelet microbial
173       proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.
175 <400> SEQUENCE: 10
176 Lys Leu Tyr Lys Lys Trp Lys Asn Lys Leu Lys Arg Ser Leu Lys Arg
177  1               5                  10                  15
178 Leu Gly
182 <210> SEQ ID NO: 11
183 <211> LENGTH: 13
184 <212> TYPE: PRT
185 <213> ORGANISM: Artificial Sequence
187 <220> FEATURE:
188 <223> OTHER INFORMATION: Antimicrobiocidal peptide designed in part upon
189       microbiocidal domains from platelet microbial
190       proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.
192 <400> SEQUENCE: 11
193 Ala Leu Tyr Lys Lys Leu Phe Lys Lys Leu Leu Lys Arg
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202 <220> FEATURE:
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204       microbiocidal domains from platelet microbial
205       proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.
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212 <210> SEQ ID NO: 13
213 <211> LENGTH: 13
214 <212> TYPE: PRT
215 <213> ORGANISM: Artificial Sequence
217 <220> FEATURE:
218 <223> OTHER INFORMATION: Antimicrobiocidal peptide designed in part upon
219       microbiocidal domains from platelet microbial
220       proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.
222 <400> SEQUENCE: 13
223 Ala Leu Tyr Lys Arg Leu Phe Lys Lys Leu Lys Lys Phe
224  1               5                   10
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228 <211> LENGTH: 17
229 <212> TYPE: PRT
230 <213> ORGANISM: Artificial Sequence
232 <220> FEATURE:
233 <223> OTHER INFORMATION: Antimicrobiocidal peptide designed in part upon
234       microbiocidal domains from platelet microbial
235       proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.
237 <400> SEQUENCE: 14
238 Ala Thr Lys Lys Asn Gly Arg Lys Leu Cys Leu Asp Leu Gln Ala Ala
239  1               5                   10                  15
240 Leu
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246 <212> TYPE: PRT
247 <213> ORGANISM: Artificial Sequence
249 <220> FEATURE:
250 <223> OTHER INFORMATION: Antimicrobiocidal peptide designed in part upon
251       microbiocidal domains from platelet microbial
252       proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.
254 <400> SEQUENCE: 15
255 Arg Phe Glu Lys Ser Lys Ile Lys
256  1               5
259 <210> SEQ ID NO: 16
260 <211> LENGTH: 20
261 <212> TYPE: PRT
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262 <213> ORGANISM: Artificial Sequence
264 <220> FEATURE:
265 <223> OTHER INFORMATION: Antimicrobiocidal peptide designed in part upon
266       microbiocidal domains from platelet microbial
267       proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.
269 <400> SEQUENCE: 16
270 Ser Ala Ile His Pro Ser Ser Ile Leu Lys Leu Glu Val Ile Cys Ile
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272 Gly Val Leu Gln
273             20
276 <210> SEQ ID NO: 17
277 <211> LENGTH: 14
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281 <220> FEATURE:
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283       microbiocidal domains from platelet microbial
284       proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.
286 <400> SEQUENCE: 17
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288  1               5                  10
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293 <212> TYPE: PRT
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296 <220> FEATURE:
297 <223> OTHER INFORMATION: Antimicrobiocidal peptide designed in part upon
298       microbiocidal domains from platelet microbial
299       proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.
301 <400> SEQUENCE: 18
302 Lys Phe Lys His Tyr Phe Phe Trp Lys Tyr Lys
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311 <220> FEATURE:
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313       microbiocidal domains from platelet microbial
314       proteins 1 and 2 (PMP-1 and PMP-2) from rabbits.
316 <400> SEQUENCE: 19
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318  1               5                  10
321 <210> SEQ ID NO: 20
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323 <212> TYPE: PRT
324 <213> ORGANISM: Artificial Sequence
326 <220> FEATURE:
327 <223> OTHER INFORMATION: Antimicrobiocidal peptide designed in part upon
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VERIFICATION SUMMARY
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